



Incoming
M/023/0023

RECEIVED

DEC 20 2013

cc: Wayne
Paul

DIV. OF OIL, GAS & MINING

Task: 5776

December 19, 2013

Paul B. Baker, Mining Program Manager
State of Utah, Div. of Oil Gas and Mining
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84114

RE: Levan Henry Surety Calculations – 2nd Revision

Dear Mr. Baker,

Per your request, I have revised the surety calculations using 2013 Equipment Watch rates. It only added \$1,000 to the total bond cost.

Sincerely,

Brent R. Sumsion
Property and Environmental Manager

FORM MR-LMO
(Revised March 2011)

FOR DIVISION USE ONLY

File #: M / /

Date Received:

DOGM Lead:

Permit Fee \$ Ck #

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1594 West North Temple Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801
Telephone: (801) 538-5291 Fax: (801) 359-3940

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DEC 20 2013

DIV. OF OIL, GAS & MINING

NOTICE OF INTENTION TO COMMENCE LARGE MINING OPERATIONS

The informational requirements in this form are based on provisions of the Mined Land Reclamation Act, Title 40-8, Utah Code Annotated 1953, General Rules and Rules of Practice and Procedures.

This form applies only to mining operations which disturb or will disturb more than five acres in an incorporated area or ten acres in an unincorporated area at any given time.

"MINING OPERATIONS" means those activities conducted on the surface of the land for the exploration for, development of, or extraction of a mineral deposit, including, but not limited to, surface mining and the surface effects of underground and in situ mining, on-site transportation, concentrating, milling, evaporation, and other primary processing.

"Mining operation" does not include: the extraction of sand, gravel, and rock aggregate; the extraction of oil and gas as defined in Chapter 6, Title 40; the extraction of geothermal steam; smelting or refining operations; off-site operations and transportation; or reconnaissance activities which will not cause significant surface resource disturbance or involve the use of mechanized earth-moving equipment such as bulldozers or backhoes.

Cultural Resources: To fulfill its obligations under Utah Code Annotated 9-8-404, the Division needs cultural resource (archaeology) information. The amount and type of information required will depend on the mine location, the history of previous disturbance, and other factors. Please contact the Division for further information.

PLEASE NOTE:

*This form is to be used as a **guideline** in assembling the information necessary to satisfy the Large Mining Operations Notice of Intention requirements. The Permittee / Operator may submit this information on an alternate form, but the same or similar format should be used.*

I. Rule R647-4-104 - Operator(s), Surface and Mineral Owners

Provide the name, address and telephone number of the individual or company who will be responsible for the proposed operation. **Business entities listed as the Permittee / Operator, must include names and titles of the corporate officers on a separate attachment.**

1. **Mine Name:** Levan Henry

2. Operator name: Sunroc Corporation

Mailing Address: P.O. Box 1955

City, State, Zip: Orem, Utah

Phone: 801-802-6900 Fax: _____

E-mail Address: bsumsion@clydeinc.com

Type of Business: Corporation ☒ (X) LLC ☐ () Sole Proprietorship (dba) ☐ ()

Partnership ☐ () General _____ or _____ limited

Or:

Individual ☐ ()

Entity must be registered (and maintain registration) with the State of Utah, Division of Corporations (DOC) www.commerce.utah.gov.

Are you currently registered to do business in the State of Utah? ☒ (X) Yes ☐ () No

Entity # 87-0550914

If no, contact www.commerce.utah.gov to renew or apply.

Local Business License # 932 (if required)

Issued by: County Juab or City _____

Registered Utah Agent (as identified with the Utah Department of Commerce) (*Leave blank if the operator is an individual*):

Name: Rhys Weaver, President

Address: P.O. Box 1955

City, State, Zip: Orem, Utah 84059

Phone: 801-802-6900 Fax: _____

E-mail Address: rweaver@clydeinc.com

3. **Permanent Address:** Sunroc Corporation

P.O. Box 1955

730 N. 1500 W., Orem, Utah 84059

Phone: 801-802-6900 Fax: _____

4. **Contact Person(s)** *Please provide as many contacts as necessary.*

Name: Brent R. Sumsion Title: Property Manager

Address: Clyde Companies, Inc., P.O. Box 1955, 730 N. 1500 W.

City, State, Zip: Orem, Utah 84059

Phone: 801-802-6900 Fax: _____

Emergency, Weekend, or Holiday Phone: 801-360-1344

E-mail Address: bsumison@clydeinc.com

Contact person to be notified for: **permitting (X) surety (X) Notices (X)** (please check all that apply)

5. Location of Operation:

County(ies) _____

SW 1/4 of NE 1/4, Section: 19 Township: 15 S. Range: 1 E.

SE 1/4 of NW 1/4, Section: 19 Township: 15 S. Range: 1 E.

_____ 1/4 of _____ 1/4, Section: _____ Township: _____ Range: _____

The names of the surface and mineral owners for any areas which are to be affected by mining. This list should include all private, state and federal ownership and the owners of lands immediately adjacent to the project areas.

6. Ownership of the land surface (circle all that apply):

Private (Fee), Public Domain (BLM), National Forest (USFS), State of Utah (SITLA) or other:

Name: USFS Address: 599 West Price River Drive, Price, Utah 84501

Name: Dale Wright Address: Idaho

Name: _____ Address: _____

Name: _____ Address: _____

7. Owner(s) of record of the minerals to be mined (circle all that apply):

Private (Fee), Public Domain (BLM), National Forest (USFS), State of Utah (SITLA) or other:

Name: Sunroc Corporation Address: P.O. Box 1955, Orem, Utah 84059

Name: _____ Address: _____

Name: _____ Address: _____

Name: _____ Address: _____

8. BLM Lease or Project File Number(s) and/or USFS Assigned Project Number(s): _____

BLM Claim Numbers: UMC 370880, UMC 370881, UMC 372037

Utah State Lease Number(s): _____

Name of Lessee(s): _____

9. Adjacent land owners:

Name: Dale Wright Address: Idaho

Name: _____ Address: _____

Name: _____ Address: _____

Name: _____ Address: _____

- Yes X No

If no, why not? _____

105.1 - Topographic base map, boundaries, pre-act disturbance

106.1 - Minerals mined

106.5 - Existing soil types, location, amount

106.6 - Plan for protecting & re-depositing soils

106.7 - Existing vegetation - species and amount

106.8 - Depth to groundwater, extent of overburden, geology

106.9 - Location & size of ore, waste, tailings, ponds

R647-4-108 - Hole Plugging Requirements

R647-4-109 - Impact Assessment

109.1 - Impacts to surface & groundwater systems

109.2 - Impacts to threatened & endangered wildlife/habitat

109.3 - Impacts on existing soils resources

109.4 - Slope stability, erosion control, air quality, safety

109.5 - Actions to mitigate any impacts

R647-4-110 - Reclamation Plan

110.1 - Current & post mining land use

110.2 - Roads, highwalls, slopes, drainages, pits, etc., reclaimed

110.3 - Description of facilities to be left (post mining use)

110.4 - Description or treatment/disposition of deleterious or acid forming material

110.5 - Revegetation planting program

R647-4-112 – Variance

R647-4-113 – Surety

XI. SIGNATURE REQUIREMENT

I hereby certify that the foregoing is true and correct. **(Note: This form must be signed by the owner or officer of the company/corporation who is authorized to bind the company/corporation).**

Signature of Permittee / Operator/Applicant: _____

Name (typed or print): _____

Title/Position (if applicable): _____

Date: _____

PLEASE NOTE:

Section 40-8-13(2) of the Mined Land Reclamation Act provides for maintenance of confidentiality concerning certain portions of this report. Please check to see that any information desired to be held confidential is so labeled and included on separate sheets or maps.

Only information relating to the location, size or nature of the deposit may be protected as confidential.

Confidential Information Enclosed: () Yes () No

Bonding Calculations

Direct Costs

Subtotal Demolition and Removal	\$57,426.00
Subtotal Backfilling and Grading	\$39,439.00
Subtotal Revegetation	\$26,250.00
Direct Costs	<u>\$123,115.00</u>

Indirect Costs

Mob/Demob	\$12,312.00	10.0%
Contingency	\$6,156.00	5.0%
Engineering Redesign	\$3,078.00	2.5%
Main Office Expense	\$8,372.00	6.8%
Project Mainagement Fee	\$3,078.00	2.5%
Subtotal Indirect Costs	\$32,996.00	26.8%

Total Cost base on 2013 Costs \$156,111.00

Number of years	5
Escalation factor	0.013
Escalation	\$3,679.00

Reclamation Cost Escalated \$159,790.00

Bond Amount (rounded to nearest \$1,000) \$160,000.00
2018 Dollars on -Acres Bonded Area

Posted Bond

Difference Between Cost Estimate and Bond \$0.00
Percent Difference

Demolition Costs

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume CF	Weight	Density	Time	Number Loads	Unit	Swell Factor	Quantity	Unit	Cost
	CRUSHER																			
	Conveyors (15)	Steel Bldg. Large	02 41 16.13 0020	0.31	/CF	70.00	4.00	4.00							15	ft		16,800.00	cf	5,208
	Jaw Crusher/feeder	Steel Bldg. Large	02 41 16.13 0020	0.31	/CF	40.00	12.00	12.00							1	ft		5,760.00	cf	1,788
	3-Deck 7x20 Screen	Steel Bldg. Large	02 41 16.13 0020	0.31	/CF	40.00	10.00	12.00							1	ft		4,800.00	cf	1,488
	2-Deck 5x16 Screen	Steel Bldg. Large	02 41 16.13 0020	0.31	/CF	30.00	10.00	12.00							1	ft		3,600.00	cf	1,116
	Cone Crusher w/ Screen	Steel Bldg. Large	02 41 16.13 0020	0.31	/CF	40.00	12.00	12.00							1	ft		5,760.00	cf	1,788
	Control House/Tower	Steel Bldg. Large	02 41 16.13 0020	0.31	/CF	45.00	10.00	12.00							1	ft		5,400.00	cf	1,674
	Generator - 500 KW	Steel Bldg. Large	02 41 16.13 0020	0.31	/CF	40.00	8.00	10.00							1	ft		3,200.00	cf	992
	Conex Parts Storage Container	Steel Bldg. Large	02 41 16.13 0020	0.31	/CF	40.00	8.00	8.00							1	ft		2,560.00	cf	794
	Misc. Pipe, legs, and Splitter	Steel Bldg. Large	02 41 16.13 0020	0.31	/CF	40.00	8.00	8.00							1	ft		2,560.00	cf	794
	55 Miles to Western Metals, SLC - 20 miles covrd																			
	Total Volume of Materials																	50,440.00	cf	
	Volume of Debris																0.3	15,132.00		
	Weight of Debris												488			lb/cf		3,692	tons	
	No. of Trip 16 Tons																	231	Trip	
	Add 1 Hr per round trip																			
	Haul to Recycling Center 1hr rnd trip	Truck Dump 16 Ton Payload	01 54 33 20 5300	\$ 533.00	Day													51.10	Day	27,236
	Truck Driver	Truck driver, Heavy	Trhw	\$ 49.15	HR													230.76	Hr	11,342
	Subtotal																			54,215
	Fuel Tank																			
	Removal of Storage Tanks	9000 gal to 12000 gal tank	02 65 10 30 0130	1,500	Ea.										1	Ea		1	Ea	1,500
	Remove Sludge, water remaining products	9000 gal to 12000 gal tank	02 65 10 30 0320	435	Ea.										1	Ea		1	Ea	435
	haul tank 100 miles round trip	9000 gal to 12000 gal tank	02 65 10 30 1029	1,276	Ea.										1	Ea		1	Ea	1,276
	Subtotal																			3,211
	Demolition Cost Structures Disposed on Site																			
	Truck Scales																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			0
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			57,426

Earthwork Costs

[illegible]

Earthwork Costs

[illegible]

— — — — —

[illegible]

Earthwork Costs

[illegible]

Revegetation Costs

[illegible]

Project: Levan-Henry Quarry
 Date: 10-7-13
 Prepared by: B. Summison

WORKSHEET 11A
 PRODUCTIVITY OF PUSH-PULL OR SELF-LOADING SCRAPER USE

Earthmoving Activity: Redistribution of Topsoil on Benches

Characterization of Scraper Used (type, capacity, etc.):

Cat 623 G

Description of Scraper Use (origin, destination, grade, haul distance, capacity, etc.):

Origin - Topsoil Stockpiles. Dist. - Quarry Benches. Avg. Grade 10%
Productivity Calculations: Avg. Haul Dist. = 2,000'

$$\text{Cycle Time} = \frac{.90}{\text{load time (push-pull is per pair)}} \text{ min} + \frac{2.6}{\text{loaded trip time}} \text{ min} + \frac{.70}{\text{maneuver and spread time}} \text{ min} + \frac{.70}{\text{return trip time}} \text{ min} = \frac{4.9}{\text{(push-pull is per pair)}} \text{ min}$$

$$\text{Hourly Production} = \frac{20.5}{\text{capacity}^*} \text{ LCY} \times 60 \text{ min/hr} \div \frac{4.9}{\text{cycle time}} \text{ min} \times \frac{.75}{\text{efficiency factor}} = \frac{188}{\text{(push-pull is per pair)}} \text{ LCY/hr}$$

$$\text{Hours Required} = \frac{\text{volume to be handled}}{\text{net hourly production}} \text{ LCY} \div \text{LCY/hr} = \text{hr}$$

* The average of the struck and heaped capacities; use total for two scrapers for push-pull.

Data Source(s):

1:1 Bench Area - 8 Acres $\frac{25' \text{ Benches} \times 100}{40' \text{ intervals}} = 63\%$ of slopes are topped (just benches)

Bench Area to be topped = 8 Acres x .63 = 5 Acres

5 Acres x 43,560 sq ft/Ac x .5' deep topsoil / 27 cu ft/yd = 4,033

Cat Performance Handbook #39

Attached Dist. Map.

Project: Levan Henry Quarry
 Date: 10-7-13
 Prepared by: B. Samsion

WORKSHEET 11A
 PRODUCTIVITY OF PUSH-PULL OR SELF-LOADING SCRAPER USE

Earthmoving Activity:

Characterization of Scraper Used (type, capacity, etc.):

Cat 6236 Self Loading Scraper
Description of Scraper Use (origin, destination, grade, haul distance, capacity, etc.):

Origin - Topsoil Stockpiles Distribution on Quarry Floor & Roads = 13 Acres

Productivity Calculations: Scraper Cap. = 23 cy heaped Aug. Haul Dist. = 800'
Grade = 0%

$$\text{Cycle Time} = \frac{.90}{\text{load time (push-pull is per pair)}} \text{ min} + \frac{.4}{\text{loaded trip time}} \text{ min} + \frac{.76}{\text{maneuver and spread time}} \text{ min} + \frac{.3}{\text{return trip time}} \text{ min} = \frac{2.3}{\text{(push-pull is per pair)}} \text{ min}$$

$$\text{Hourly Production} = \frac{20.5}{\text{capacity}^*} \text{ LCY} \times 60 \text{ min/hr} \div \frac{2.3}{\text{cycle time}} \text{ min} \times \frac{.75}{\text{efficiency factor}} = \frac{401}{\text{(push-pull is per pair)}} \text{ LCY/hr}$$

$$\text{Hours Required} = \frac{\text{volume to be handled}}{\text{net hourly production}} \text{ LCY} \div \text{LCY/hr} = \text{hr}$$

* The average of the struck and heaped capacities; use total for two scrapers for push-pull.

Data Source(s):

Cat Performance Handbook #39

Updated Disturbance Area Drawing - Attached

$$* 13 \text{ Acres} \times 43,560 \text{ sf/Acre} \times .5' \text{ deep} / 21 \text{ cy/cy} = 10,487 \text{ CY}$$

Project: Levan Henry Quarry
Date: 10-7-13
Prepared by: B. Sumner

WORKSHEET 12
PRODUCTIVITY AND HOURS REQUIRED FOR MOTORGRADER USE

Earthmoving Activity:

Knocking Down for Scrapers
Characterization of Grader Used (type, size capacity, etc.):

LAT 14H Grader, Blade Length 14'
Description of Grader Route (push distance, grade, effective blade width, operating speed, etc.):

Productivity Calculations:

Grading

$$\begin{aligned} \text{Hourly Production} &= \frac{3.50}{\text{average speed}} \text{ mi/hr} \times \frac{12.12 \text{ @ } 30^\circ}{\text{effective blade width}} \text{ ft} \times 5,280 \text{ ft/mi} \times 1 \text{ ac/43,560 ft}^2 \\ &\times \frac{.75}{\text{efficiency factor}} = 5.14 \text{ ac/hr} \end{aligned}$$

$$\text{Hours Required} = \frac{\text{area to be graded}}{\text{ac}} \div \frac{\text{hourly production}}{\text{ac/hr}} = \text{hr}$$

Scarification

$$\begin{aligned} \text{Hourly Production} &= \frac{\text{mi/hr}}{\text{average speed}} \times \frac{\text{ft}}{\text{scarifier width}} \times 5,280 \text{ ft/mi} \times 1 \text{ ac/43,560 ft}^2 \\ &\times \frac{\text{efficiency factor}}{\text{efficiency factor}} = \text{ac/hr} \end{aligned}$$

$$\text{Hours Required} = \frac{\text{area to be scarified}}{\text{ac}} \div \frac{\text{hourly production}}{\text{ac/hr}} = \text{hr}$$

Total Hours Required

$$\text{Total Hours} = \frac{\text{grading hours required}}{\text{grading hours required}} + \frac{\text{scarification hours required}}{\text{scarification hours required}} = \text{hr}$$

Data Source(s):

Project: Levan Henry Quarry
 Date: 10-7-13
 Prepared by: B. Summison

WORKSHEET 12
 PRODUCTIVITY AND HOURS REQUIRED FOR MOTORGRADER USE

Earthmoving Activity:

Scarifying Floor, Crusher Pad, Road & Stockpile Area
Characterization of Grader Used (type, size capacity, etc.):
Cat 14H - 14' wide Blade, Ripper Beam width 8'-6" wide
Description of Grader Route (push distance, grade, effective blade width, operating speed, etc.):

Productivity Calculations:

Grading

$$\text{Hourly Production} = \frac{\text{mi/hr}}{\text{average speed}} \times \frac{\text{ft}}{\text{effective blade width}} \times 5,280 \text{ ft/mi} \times 1 \text{ ac/43,560 ft}^2$$

$$\times \frac{\text{efficiency factor}}{\text{efficiency factor}} = \text{ac/hr}$$

$$\text{Hours Required} = \frac{\text{ac}}{\text{area to be graded}} \div \frac{\text{ac/hr}}{\text{hourly production}} = \text{hr}$$

Scarification

$$\text{Hourly Production} = \frac{4}{\text{average speed}} \text{ mi/hr} \times \frac{8.5}{\text{scarifier width}} \text{ ft} \times 5,280 \text{ ft/mi} \times 1 \text{ ac/43,560 ft}^2$$

$$\times \frac{.75}{\text{efficiency factor}} = 3.1 \text{ ac/hr}$$

13 Acres / 3.1 = 4.2 Use 45 HRS

$$\text{Hours Required} = \frac{\text{ac}}{\text{area to be scarified}} \div \frac{\text{ac/hr}}{\text{hourly production}} = \text{hr}$$

Total Hours Required

$$\text{Total Hours} = \frac{\text{grading hours required}}{\text{grading hours required}} + \frac{\text{scarification hours required}}{\text{scarification hours required}} = \text{hr}$$

Data Source(s):

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Rental Rate
Blue Book

Custom Cost
Evaluator

AED
Green Book

Green
Guide

Last
Bid

Serial Number
Guide

SpecFinder

Off-Highway Water Tanker Trucks Miscellaneous Models

Size Class:
To 199 HP To 199 HP

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Configuration for Off-Highway Water Tanker Trucks

Power Mode: Diesel Tank Capacity: 5,000 gal
Horsepower: 175.0

Equipment Notes: Rates include off-highway prime mover complete with a semi-trailer water tanker, hydraulic drive centrifugal pump and rear spraybar.

Blue Book Rates

Rate Effective Dates:

[printable report](#)

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

Published Rates	Ownership Costs				Estimated Operating Costs		FHWA Rate **
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly	Hourly
	\$5,210.00	\$1,460.00	\$365.00	\$55.00	\$49.00		\$78.60
Adjustments							
Region (Utah: 89.8%)	-\$531.42	-\$148.92	-\$37.23	-\$5.61			
Model Year (100%)	-	-	-	-			
Ownership (100%)	-	-	-	-			
Operating (100%)	-	-	-	-			
Total:	\$4,678.58	\$1,311.08	\$327.77	\$49.39	\$49.00		\$75.58

For details, see [Rate Element Allocation](#)

Adjustments

Default Settings

Model Year:
Region:
Canadian Regions Alaskan Regions
User Defined
Ownership: %
Operating: %

[Adjust Rates](#)

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	49%	\$2,552.90 / mo
Overhaul (ownership)	29%	\$1,510.90 / mo
CFC (ownership)	6%	\$312.60 / mo
Indirect (ownership)	16%	\$833.60 / mo
Fuel (operating) @ \$3.98	49%	\$23.82 / hr

Revised Date: 2nd Half 2013

[Rental Rate Blue Book](#) | [Green Guide](#) | [Serial Number Guide](#) | [AED Green Book](#) | [Custom Cost Evaluator](#) | [Last Bid](#) | [SpecFinder](#)

Popular Equipment: [Forklifts](#) | [Dozers](#) | [Tractors](#) | [Road Maintenance Equipment](#) | [Excavators](#) | [Cranes](#) | [Aggregate Equipment](#) | [Shop Tools](#)

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Green BookGreen
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BidSerial Number
Guide

SpecFinder

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Profile

Caterpillar 623G

Single Engine Elevating Scrapers

Size Class:

18 & Under 30CY 18 & Under 30CY

Weight:

82,530 lbs.



Compare Similar Models

Add To My Fleets

Configuration for 623G

Power Mode:

Diesel
365.0Scraper Capacity:
Operator Protection:18.0 - 23.0 cy
EROPS

Manufacturer Notes: C-H = Cushion-Hitch

Blue Book RatesRate Effective Dates:

printable report

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate **
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	\$25,085.00	\$7,025.00	\$1,755.00	\$265.00	\$139.55	\$262.08
Adjustments						
Region (Utah: 86.5%)	-\$3,386.47	-\$948.37	-\$236.92	-\$35.77		
Model Year (100%)	-	-	-	-		
Ownership (100%)	-	-	-	-		
Operating (100%)	-	-	-	-	-	
Total:	\$21,698.53	\$6,076.63	\$1,518.08	\$229.23	\$139.55	\$262.84

For details, see [Rate Element Allocation](#)**Adjustments****Default Settings**Model Year: Region:

Canadian Regions Alaskan Regions

User Defined

Ownership: %Operating: %

Adjust Rates

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	29%	\$7,274.65 / mo
Overhaul (ownership)	60%	\$15,051.00 / mo
CFC (ownership)	4%	\$1,003.40 / mo
Indirect (ownership)	7%	\$1,755.95 / mo
Fuel (operating) @ \$3.98	40%	\$55.20 / hr

Revised Date: 2nd Half 2013

[Rental Rate Blue Book](#) | [Green Guide](#) | [Serial Number Guide](#) | [AED Green Book](#) | [Custom Cost Evaluator](#) | [Last Bid](#) | [SpecFinder](#)
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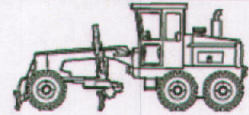
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AED Green Book
Green Guide
Last Bid
Serial Number Guide
SpecFinder

Caterpillar 14H (disc. 2007)

Articulated Frame Graders

Size Class
200 - 249 HP 200 - 249 HP
 Weight:
41,465 lbs.


[Compare Similar Models](#)
[Add To My Fleets](#)
Configuration for 14H

Power Mode: **Diesel** Operator Protection: **ROPS**
 Moldboard Size: **14'** Net Horsepower: **220.0**

Blue Book RatesRate Effective Dates: [Always Use Current Rate](#)[printable report](#)

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

Published Rates	Ownership Costs				Estimated Operating Costs	FHWA Rate **
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
	\$9,715.00	\$2,720.00	\$680.00	\$100.00	\$59.30	\$114.50
Adjustments						
Region (Utah: 86.5%)	-\$1,311.52	-\$367.20	-\$91.80	-\$13.50		
Model Year (100%)	-	-	-	-		
Ownership (100%)	-	-	-	-		
Operating (100%)	-	-	-	-		
Total:	\$8,403.48	\$2,352.80	\$588.20	\$86.50	\$59.30	\$107.05

For details, see [Rate Element Allocation](#)**Adjustments****Default Settings**

Model Year: [Please Select](#)
 Region: [Utah](#)
 Canadian Regions Alaskan Regions
 User Defined
 Ownership: %
 Operating: %

[Adjust Rates](#)
Rate Element Allocation

Element	Percentage	Value
Depredation (ownership)	35%	\$3,400.25 / mo
Overhaul (ownership)	47%	\$4,566.05 / mo
CFC (ownership)	6%	\$582.90 / mo
Indirect (ownership)	12%	\$1,165.80 / mo
Fuel (operating) @ \$3.98	47%	\$28.02 / hr

Revised Date: 2nd Half 2013

[Rental Rate Blue Book](#) | [Green Guide](#) | [Serial Number Guide](#) | [AED Green Book](#) | [Custom Cost Evaluator](#) | [Last Bid](#) | [SpecFinder](#)
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On-Highway Light Duty Trucks

Miscellaneous Models

Size Class

100 - 199 HP 100 - 199 HP

[Add To My Fleets](#)

Configuration for On-Highway Light Duty Trucks

Power Mode:

Axle Configuration:

Horsepower:

Diesel

4X4

160.0

Cab Type:

Ton Rating:

Conventional

3/4

Blue Book Rates

Rate Effective Dates: [Always Use Current Rate](#)
[printable report](#)

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs		FHWA Rate **
	Monthly	Weekly	Daily	Hourly	Hourly		Hourly
Published Rates	\$855.00	\$240.00	\$80.00	\$9.00	\$10.55		\$15.41
Adjustments							
Region (Utah: 89.8%)	-\$87.21	-\$24.48	-\$6.12	-\$0.92			
Model Year (100%)	-	-	-	-			
Ownership (100%)	-	-	-	-			
Operating (100%)	-	-	-	-	-		
Total:	\$767.79	\$215.52	\$53.88	\$8.08	\$10.55		\$14.91

For details, see [Rate Element Allocation](#)

Adjustments

Default Settings

Model Year: [Please Select](#)Region: [Utah](#)
[Canadian Regions](#) [Alaskan Regions](#)

User Defined

Ownership: %Operating: %
[Adjust Rates](#)

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	58%	\$495.90 / mo
Overhaul (ownership)	28%	\$239.40 / mo
CFC (ownership)	4%	\$34.20 / mo
Indirect (ownership)	10%	\$85.50 / mo
Fuel (operating) @ \$3.98	72%	\$7.64 / hr

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